

Title (en)

COAL UPGRADING PROCESS UTILIZING NITROGEN AND CARBON DIOXIDE

Title (de)

KOHLEVERBESSERUNGSVERFAHREN UNTER VERWENDUNG VON STICKSTOFF UND KOHLENDIOXID

Title (fr)

PROCESSUS DE VALORISATION DU CHARBON UTILISANT DE L'AZOTE ET DU CO₂

Publication

EP 2005063 B1 20100915 (EN)

Application

EP 06831597 A 20061127

Priority

- IB 2006003373 W 20061127
- US 74060705 P 20051129
- US 56201806 A 20061121

Abstract (en)

[origin: EP2184336A1] A process of upgrading coal with carbon dioxide, comprising the steps of: providing a carbon dioxide-containing fluid having a carbon dioxide concentration greater than that of air; allowing the carbon dioxide-containing fluid to contact coal in a coal upgrading apparatus for a period of time, wherein the coal is not in a water slurry; allowing the carbon dioxide-containing fluid to be vented from the coal upgrading apparatus thereby removing at least some non-polar constituents from the coal.

IPC 8 full level

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CPC (source: EP KR US)

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WO 2007063388 A2 20070607; **WO 2007063388 A3 20071115**; AT E481603 T1 20101015; AU 2006321346 A1 20070607; AU 2006321346 B2 20120802; CA 2632527 A1 20070607; DE 602006016995 D1 20101028; EP 2005063 A2 20081224; EP 2005063 B1 20100915; EP 2184336 A1 20100512; JP 2009517520 A 20090430; JP 5199110 B2 20130515; KR 101304844 B1 20130905; KR 20080092347 A 20081015; PL 2005063 T3 20111031; US 2007144415 A1 20070628

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